This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

(Use as many sheets as necessary)

of 1H

RMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

Attomey Docket Number: 05222.00159

TECHNOLOGY CENTER R3700 First Named Inventor: Nichols
Group Art Unit: #/a 2/2/
Examiner Name: #/a J P #/acc

RECEIVED

			U.S. PATENT D	DOCUMENTS_	Tro.
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	TECHNOL COLUMN
Initials *	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Worth Fieleyant Passages or Relevant Passages or Relevant Figures Appear
4		US-4,622,013	11/11/1986	Cherchio P	
H		US- 4,874,784	10/17/1989	Clancey	CEIL
#		US- 4,981,766	01/02/1990	Derr, et al.	OF INFLI
M		US- 4,931,950	06/05/1990	Isle, et al. SE/	77
#		US- 4,964,077	10/16/1990		
H		US- 4,977,529	12/11/1990	Gregg, et RICHNOLO	
H		US- 5,002,491	03/26/1991	Abrahamson, et al.	Y CENTED D
H		US- 5,170,464	12/08/1992	Hayes, et al.	TY CENTER F13700
41		US- 5,189,402	02/23/1993	Naimark, et al.	
et		US- 5,208,745	05/04/1993	Quentin, et al.	RECEIVE
44		US- 5,208,898	05/04/1993	Funabashi, et a	
bt		US- 5,239,617	08/24/1993	Gardner, et al.	APR 2 4 200
A		US- 5,259,766	11/09/1993	Sack et al.	• •
LIVE		US- 5,267,865	12/07/1993	Lee, et al.	Technology Center
FIX.		US- 5,310,349	05/10/1994	Daniels, et al.	160111101083
\$ 00° 200°		US- 5,311,422	05/10/1994	Loftin, et al.	
D 01.100		US- 5,317,688	05/31/1994	Watson, et al.	
A.	n p370	0 US- 5,326,270	07/05/1994	Ostby, et al.	
DGY ENT	EN	US- 5,359,701	10/25/1994	Chiang, et al.	
bg A		US- 5,372,507	12/13/1994	Goleh	3. T. T.

		FOREIGN PA	ATENT DOCU	MENTS	±: ,
Cyaminas	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Kines,
Examiner Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) MM-		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
		EP 0 689 132 A2	12/27/95	Laffra	65
		EP-0-710-942-A2	05/08/96	Siefert	3,4
		EP-0-710-942-A2	05/08/96	Siefert	
		EP-0-798-655-A2	10/01/97	Jervis, et al.	
		WO-00/04478	01/27/00	Jonsson	
		WO-97/44766	11/27/97	Cook	
		WO-98/03953	01/29/98	Simmons	1111 1 2 20
		WO 98/25251	06/11/98	Но	- JUL 4 4 20
		WO-98/32-109	07/23/98	De Lange	COOLID

Examiner Date Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance in and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademanter Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional) . ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the patent document. document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a reliation.

(Use as many sheets as necessary)

Sheet ____ of ______

ATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date: 02/08/1999

Application Number: 09/868,682

First Named Inventor: Nichols
Group Art Unit: n/a— 2/2/
Examiner Name: n/a— 2/2/
Attorney Docket Number: 05222 Doc/59-

RECEIVED

APR 2 4 2002

SEP 1 7 2002

Technology Center 2100

nitals*	Cite No.'	Document Number Number - Kind Code ² (if known) US-5,395,243 US- 5,441,415 US- 5,491,743	Publication I MM-DD-YY	Date YY	of Patentee or Applicant Cited Document	of Pages, Columns, Lines, Where Relevant Passages or Relevant	1
64 64 64 64 64		US- 5,441,415				Figures Appear	İ
			00/45/40/	95	Lutbin, et al.	rigules Appeal	1
H H H		LIC E 401 742	08/15/199	95	Lee, et al.		1
A A		UG- 5,481,743	02/13/199	96	Shilo, et al.		1
H A		US- 5,533,903	07/09/199	96	Kennedy		1
A		US- 5,535,422	07/09/199	96	Chang, et al.	REOF	1
		US- 5,537,141	07/16/199	96	Harper, et al.	- CEI	//
4		US- 5,539,869	07/23/199	96	Spoto, et al.	May	71
A		US- 5,566,291	10/15/199	96	Boulton, et al.	MAY 2 1 2	1
A		US- 5,576,844	11/19/199	96	Anderson, et al.	TECHNIC 2	40.
H		US- 5,577,186	11/19/199	96	Mann II, et al.	TECHNOLOGY CENTE	1-
14		US- 5,597,312	01/28/199	97	Bloom, et al.	- CENTR	" ե
A		US- 5,616,033	04/01/199	97	Kerwin		<i>¶™</i>
A		US- 5,644,686	07/01/199	97	Hekmatpour		1
A		US- 5,644,727	07/01/199	97	Atkins	77	1
A		US- 5,673,369	09/30/199	97	Kim	O'	1
pt		US- 5,690,496	11/25/199	97	Kennedy	SEP HNOLIG	٦,
H		US- 5,696,885	12/09/199	97	Hekmatpour	SE SE	1 -
A		US- 5,701,400	12/23/199	97	Amado	<u> </u>	1
#		US- 5,720,007	02/17/199)8	Hekmatpour		10
14		US- 5,727,161	03/10/199	98	Purcell, Jr.		'n
4				- · · · · · · · · · · · · · · · · · · ·		200 TES	
		F	OREIGN PA	TENT DOC	UMENTS	2002 TER A	10
		Foreign Patent Docu				Pages, Columns, Lines,	44
	Cite No. ¹	Country Code ³ - Number ⁴ - Kind C		Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document		1
						ω $ -$	ħ
						o m	ከ
					+VEIV		<u>P</u>
		-11/50		H	FOLIA	÷ 'un '-	1
	DE	CEIVED			1 1 2 20		E
	111-	_			JUL 7 4 C	1 177 1	\mathbf{L}
	NO.	2 9 2002				3 12 3	ť
	NO				י אוונים	3000]
		CENTER R3700		C	INOOT		1
75	ECHNO	LOGIO)			((-
xaminer				Date		8/1/4	1

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademan

PTO/SB/08A (16301)

¹ Applicant's unique citation designation number (optional) . ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002_OMB 6651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit

RECEIVED

APR 2 4 2002

Attorney Docket Number: 05222 (Use as many sheets as necessary) SEP 1 7 2002 **Technology Center 2100** TECHNOLOGY CENTER R3700 OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T² the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Examiner Initials * No.1 number(s), publisher, city and/or country where published. Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144-"Automated-Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Mag Cybernetics, Vol. 24(6), pp. 863-74, June 1994 ACM-Transactions.on.Information Systems, 1988 at www.acm.org/pubs/toc/Abstracts/tois/592 The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer. *A-Special-Section --- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994 'Goal-Based Scenarios and the Problem of Situated Leaming: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios, Educational Technology, Nov.-Dec. 1994 "DDD-A-Free-Graphical-Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-Automated-Training of Legal Reasoning* at http://www.bileta.ac.uk/94papers/muntjew.html The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998 ი"Developing-a-Design-System-into-an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp-341-46;-Dec CAPTOR-a-model-for-delivering-web based intelligent tutoring system technology*, IEEE Proc. DASC vol. 2, pp Examiner Date Signature Considered EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will be depending upon the needs of the individual case. The comments on the amount of time you are required to complete this form should be sent to the Chief Diamation Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND for Assistant Commissioner for Patents. Washington, DC 20231. OCT 0 9 2002 COUNTER HAINOLOGY CENTER HAINOLOGY CENTER HAINON CENTER HAIN CENTER HA JUL 1, 2 2002 GROUP 3600 RECEIVED

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE der the Paperwork Reduction Act of 1936, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

form 1449 A/PTO

DRMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Dat: 02/08/1999

First Named Inventor Group Art Unit: 14 FExaminer Name: 1/2

RECEIVED

Attomey Docket Number

APR 2 4 2002

Sheet 4 of 14

(Use as many sheets as necessary)

Technology Center 2100 TECHNOLOGY CENTER R3700

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	·	"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
		Task-Oriented-Learning-on-the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb.	
-		*Applications-of-BrainMaker-Neural Network to stocks, business, medical, manufacturing* at www.calsci.com/Applications.html	
		KBLPS Overview at www.cgl.com/CGIWEB/KBLPS/overIndex4.html	
		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141 -"Interactive-Multimedia-Instructs the Individual," Oct. 1994, Occupational Health's Sales Oct. 63, No. 10-pp/144-145 -"Practical-methods for automatically generating typed links", ACM Hypertext, pp 31-41 -"Popular-Theory Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/rtcl57.html. Aug. 1997	KA
¢		*Interactive Multimedia-Instructs the Individual, Oct. 1994, Occupational Health & Sales Oxol, 63, No. 10, pp/144-145	
CE	1ED	"Practical-methods for automatically generating typed links", ACM Hypertext, pp 31-41	
FCE!	500.5	Popular-Theory-Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/rtcl57.html, Aug. 1997	00 IT
HOY 2	CENTE	"Technical-Report: Computer Aided Education and Training Initiative" at http://advlearn.trdc.pitt.edu/advlearn/papers/FINALREP.html	I ECHNOLOGY CENTER IN
CHINO		FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	י כנו
Carrier part part parties	() 	Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	ובחח
			3
Examiner Signature		Date Considered 8/2/4	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attacked.

Unique citation designation number (optional). Applicant is to place a circumination of the individual case. Any Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patch and Trademark Office, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20201. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

OCT 0 9 2002 TECHNOLOGY CENTER R3700



RECFINED
JUL 1 2 2002
GROUP 3000

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

1449 A/PTO

ATION DISCLOSURE EMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

First Named Inventor: Nichols Group Art Unit: -n/a 2/

Examiner Name: n/a

SEP 17 2002

RECEIVED

APR 2 4 2002

Technology Center 2100

(Use as many sheets as necessary)

U.S. PATENTE COCUMENTS: ENTER R3700 Document Number Examine Publication Date Pages, Columns, Lines, Where Relevant Cited Document MM-DD-YYYY Initials Passages or Relevant Figures Appear Number - Kind Code² (if known) US-5,727,950 03/17/1998 Cook, et al. US-5,745,652 04/28/1998 Bigus US- 5,772,446 06/30/1998 Rosen US-5,779,468 07/14/1998 Ho, et al. US-5,788,508 08/04/1998 Lee, et al. US-5,791,907 08/11/1998 Ramshaw, et al. US-5,799,151 08/25/1998 Hoffer US-5,799,292 08/25/1998 Hekmatpour US-5,806,056 09/08/1998 Hekmatpour US- 5,810,747 09/22/1998 Brudney, et al. US-5,822,745 10/13/1998 Hekmatpour US-5,823,781 10/20/1998 Hitchcock, et al. US-5,823,788 10/20/1998 Lemeison, et al. US- 5,835,683 11/10/1998 Corella, et al. US- 5,868,575 02/09/1999 Kuczewski US- 5,870,768 02/09/1999 Hekmatpour US- 5,875,437 02/23/1999 Atkins US- 5,889,845 03/30/1999 Staples, et al. US-5,893,123 04/06/1999 Tuinenga US-5,911,581 06/15/1999 Knight Jeremy, et al.

		FOREIGN PA	TENT DOCU	MENTS		Ħ	2
Examiner Initials*	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	5	2002
	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Азър	
			BEO.				
		EMED		IVED	RECE	IVE	ID
	AFO	0 2002	UCT 0 9	200		9 200	,
	HOY	2 9 15CA	NOFOCK	₹002	JUL ³	. & ¿UU	1
		OGY CENTER H3700	CEN	2002 7 _{ER R3700}	GROU	PS	الالالا
	ECHNO!			3,00	<i>f</i>		i

Examiner Date Considered Signature EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant,

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.0 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 6 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

for form 1449 A/PTO

(Use as many sheets as necessary)

Sheet 6 of 14

ORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

First Named Inventor: Nichols,

RECEIVED APR 2 4 2002

SEP 1 7 2002

		lecnnology (enter 210
		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Artificial Intelligence-and-Mathematics-Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursoseducation/intelligent-tutoring.html	
		"WITS:A-Reusable-Architecture for a-VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html	PEO-
		Brainmaker=at-www.npiec.on.ca/~echoscan/28-04.htm	4r 0
FCE	JEL	"News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html "Earning with Computers;" May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	RECE/
ECE	2003		CENTER
MON 5	S CENT	"Learning with Computers;" May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64 [R3100 *User-Sensitive Multimedia Presentation System, March 1, 1996, Vol. 39, No. 3, pp. 93-94	
CHNOTO	34 Open		, C.C.
		"Microworlds and Simuworlds: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49	ECHIVOLOGY CENTER R.
		What are Intelligent Coaching Systems and Why are they (in)evitable?* IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	A CE
		Development of an integrated Simulator and Real Time Plant Information System,* Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	2002 TER R
	·- '	1/ /	2
Examiner Signature		Date Considered X/2/X	
EXAMINER: and not consider	Initial if rel dered. Inc	erence considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in confor lude copy of this form with next communication to applicant.	mance
Unique citati	ion design	ation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.	
Burden Hour : comments on Office, Washi Patents, Wash	Statement the amou ngton, DC hington, D	This form is estimated to take 2.0 hours to complete. Time will varying pending upon the needs of the individual case. In of time vipo are required to complete this form should be sent to the chief information officer, U.S. Patent and Trade 20231. BO NOT SEND FEES OR COMPLETED FORMS TO THIS APPORESS SEND A: Assistant Commissioner for C 20231.	Any mark r
	TEOL	20231-90 NOLOGY CENTER RATION RECEIVED TO THIS ABORESS SENTER: Assistant Commissioner to	,
	-CH/	VOLOGY OF TOENTED SE 9	·
		RECEIVER ASTON RECEIVED 2002 TO SEE	
		ONE SUN	
		GROUI	

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

(Use as many sheets as necessary)

Sheet _____ of ____L__

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

HECEIVED

First Named Inventor: Nichols

Group Art Unit: - 10 - 17 | Examiner Name | 12 | 17 | Attorney Docket Number: 0522

APR 2 4 2002

SEP 1 7 2002

Technology Center 2100

TECHNOLOGY CENTER 83700 **U.S. PATENT DOCUMENTS** Name of Patentee or Applicant of Cited Document **Document Number** Examiner Publication Date Pages, Columns, Lines, Where Relevant MM-DD-YYYY Passages or Relevant Figures Appear Initials Number - Kind Code² (if known) US-5,974,446 10/26/1999 Sonnenreich, et al. 11/16/1999 US-5,987,443 Nichols, et al. US-6,003,021 12/14/1999 Zadik, et al. US- 6,015,348 01/8/2000 98 Lambright, et al. US- 6,016,486 01/18/2000 Nichols US-6,018,730 01/25/2000 Nichols, et al. US-6,018,731 01/25/2000 Bertrand, et al. US-6,018,732 01/25/2000 Bertrand, et al. US-6,023,691 02/08/2000 Bertrand et al. US-6,023,692 02/08/2000 Nichols US-6,026,386 02/15/2000 Lannert, et al. US-6,029,156 02/22/2000 Lannert, et al. US-6,029,158 02/22/2000 Bertrand, et al. TER R3700 US-6,029,159 02/22/2000 Zorba, et al. US-6,032,141 02/29/2000 O'Connor, et al. US-6,064,998 05/16/2000 Zabloudil, et al. ज US-6,067,537 05/23/2000 O'Connor, et al. HNCLCC! US-6,067,538 05/23/2000 Zorba, et al. US-6,073,127 06/06/2000 Lannert, et al. US-6,085,184 07/04/2000 Bertrand, et al. CHNTER ROZ **FOREIGN PATENT DOCUMENTS** Pages, Columns, Lines, Foreign Patent Document Name of Patentee or Examiner Cite Publication Where Relevant Applicant of Cited Initials' Date MM-DD-YYYY No. Passages or Relevant Country Code3 - Number4 - Kind Code5 (if known) Document Figures Appear 2002 Examiner Date Considered Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

(Use as many sheets as necessary)

ATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

First Named Inventor: Nichols Group Art Unit: #Var 2(2/

RECEIVED

Examiner Name: n/a 1 1522200 59 VED

APR 2 4 2002

SEP 1 7 2002 Technology Center 2100

			Tro	يصحب	
		·	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS R3700		
	Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2	
			A-Goal-Centered-Architecture-for Intelligent Tutoring Systems, Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995		
			"Smart-Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	CA	.م ا
			-*A-Goal-Centered-Architecture-for Intelligent Tutoring Systems,* Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995 -*Smart-Avatars-in-JackMOO,* Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63 -*Embedding-an-Intelligent Tutoring System in a Business Gaming-Simulation Environment,* Proc. Of the 1944 Winter Simulation Conference, pp. 1399-1408, Dec. 1994 -*Evaluating-Intelligent-Tutoring-with-Gaming-Simulations,* Proc. Of the 1995 Winter Simulation Conf., pp. 1393-33, Dec. 1995	2 7	VE
	gfglide frankligest sagrammann her n			4 20	102
	THE RESERVE THE RESERVE THE RESERVE THE THE THE RESERVE THE THE THE THE THE THE THE THE THE TH	Production production as: 1.4	Persistent Issues In the Application of Virtual Environment Systems to Training, August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	ENTER	R3;
	metr differe kanne en chèceneme		*The Lisp-Tutor,-*Byte, ρρ159-75, Apr. 1985		
E	CEIVE	Đ.	Pedagogical-natural-language-and-knowledge-engineering techniques in SOPHIE I, II, and III, in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	긆	
ИО	CEIVE V 2 9 20	02	Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	JONHO	33
HNC	COGY-CENT	ER H37		064	™
	E		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	ELVIE	0 200
	**************************************		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	R376	3
	Examiner Signature		Date Considered		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**FCHWOLOGY CENTER HOUSE TO THIS ADDRESS OF THE PROPERTY OF THE PROPE Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any



GROUP 3600

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

ne Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

(Use as many sheets as necessary)

Sheet _Q__ of

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Document Number

Application Number: 09/868,682 Filing Dat: 02/08/1999

First Named Inventor: Nichols Group Art Unit: #/ar 2 / 2

Name of Patentee or Applicant of

Examiner Name: 1/2 ATTOM Attorney Docket Number: 05222.00159

Examiner	l Cita		 Publication D 	Jate	LIFCH	Philai Programme	i Pages. (ere Relevant	
Initials *	Cite No. ¹	Number - Kind Code ² (if known)	MM-DD-YY		1.2011	GO DOY CENTER	R3700	Passages or Releva	ant]	
R		US-6,101,489	08/01/200	00	}	Lannert, et al.	 	rigores Appear		
M	1	US- 6,125,358	09/26/200	00		Hubbell, et al.				
il	1	US- 6,134,539	10/17/200	ю —		D'Connor, et al.				l
		US-					7			
	† · · · · · · · ·	US-								
		US-						Da		İ
	1	US-	f					PECEI OCT 9 20		
	 	US-	T						10.	İ
		US-					>-	(()	VA TO	
		US-					ECHA.		~~	i
	1	US-			ME		- "VQ	100 <0	702	İ
		US-			 V K 	····		CC	٠,	
		US-	1101		2002			- JCAITED		
		US-	NOV	4	2002			OCT & STORY CENTER,	रेंग्रेजन	l
	† · · · · ·	US-							<u> </u>	
		US-	TECHNOLO	JGY C	ENTER	R3700			Ž ,	١.
		US-					· · · · · · · · · · · · · · · · · · ·		NO L	í
		US-							رَبَ عِ	7
		US-	1						F	4 (
	1	US-	1						CE C	P [
		<u> </u>					-		70	<
			OREIGN PA	TENI	DOCH	MENTS				
]	Foreign Patent Doc		LEIVI	DOCO		Pages	, Columns, Lines,	 	
Examiner	Cite	1 Oleight atent book	SINGIL	Publication		Name of Patentee or Applicant of Cited	Wi	here Relevant	200	
Initials*	No.1	Country Code3 - Number4 - Kind (Code ⁵ (if known)		Date DD-YYYY	Document	Pages	ages or Relevant gures Appear	- *	
					14.3-TTTT 1	l cooming.		Jures Addear		
	 		(**************************************	MINPL	D-1111	Coamen			 '	
			(**************************************	MIVEL	D-1111	Coomer				
				MINTL	D-1111	CCCAMICIN				
				MINTL						
				MINTE		Cocamon				
				MINTL		Cocamon		BFCE		Ď
				MINTE				RECE		D
				MINTE		Cocamon		RECE		D
				MINTL				RECE	1VE 2 2002	D
			- A	MINI-L		Cocamon		RECE	2 2002	יני ט
			f)	MINTL				RECE		D 100
Examiner Signature				MINTL	Date			RECE	2 2002	D iO(

U.S. PATENT DOCUMEŇŤŚ

Publication Date

and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Applications on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Tradentaria. R3700

9 2002

¹ Applicant's unique citation designation number (optional) . ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.0 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

ule for form 1449 A/PTO

(Use as many sheets as necessary)

Sheet 10 of 14

PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Tom 1449 A/PTO Application Number: 09/868,682 PECEIVED O2/08/1999 PECEIVED O2/08/1999 INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Examiner Name: n/a
Attorney Docket Number

V Feshology Center 2100

SEP 1 7 2002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T² Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Initials * No. "Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. Interface design-issue-for-advicing-giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31 An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997 Architecture of an Intelligent Tutoring System on the WWW,* Proc. Of 1997 World Conf. On Artificial Intelligencein Education, pp. 39-46 Dec. 1997 "Socialized Collaborative Learning in Multimedia Virtual Worlds" URL: http://www.iscs.nus.edu.sg/labs/learning/lels/VRML.html; viewed Feb. 16, 1999 (L) Ť П Flexible-Learning, Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33-*Teaching-Through-Gase-Based-Reasoning:-An-ITS-Engine Applied to Business Communication, Proc. World Conf. On Artificial Intelligence in Education, pp. 111-18 Dec. 1997 "Train with Less Pain," Oct...13, ..1997, Informationweek No. 652, pp. 150-154 "Virtual Learning: "A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71 ntelligent-Tutoring Systems: An Overview at http://www.intellectbooks.com/authors/lawler/its.htm

Examiner Signature	Date Considered	8/2/4

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

> RECEIVED NOV 2 9 2002 TECHNOLOGY CENTER R3700

TECHNOLOGY CENTER R37 JUL 1 9 2002

RECFINATION JUL 1 2 2002
GRUUP JUL 3

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ite for form 1449 A/PTO

(Use as many sheets as necessary)

Sheet _____ of ___U

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Date: 02/08/1999

First Named Inventor: Nichols Group Art Unit: m/a 217

Examiner Name: n/a-Attorney Docket Number

RECEIVED

APR 2 4 2002

SEP 1 7 2002 **Technology Center 2100**

TECHNOLOGY CENTERT TO OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS 700 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue T2 Initials No.1 number(s), publisher, city and/or country where published. "No-More-Boring-CPE," July-1997,-Accounting Technology, pp. 27-35 Computer-Dictionary,-1997,-pp.-264,-276,-383, 446, 462, 507. "Rule-Based Programming.with.OPS5".at.www.mkp.com/books_catalog/O-934613-51-6.asp From Computer-Assisted Instruction to Intelligent-Tutoring Systems,* J. Artificial Intelligence in Education, V. 2(3). pp. 39-50, Dec. 1997 CENTER 'MUSE-U:S-Patents" at www.muser.com/html/patents.html Distributed Intelligent-Tutoring on the Web; Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997 "RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 388-393 Dec. 1997 "Using the Wizard of Oz-Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997 "Using Planning-Techniques-to-Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994 TECHNOLOGY GENTER R3700 An-Electronic-Infrastructure.for.a.Virtual.University, ".Communications of the ACM, Vol. 40, No. 9, Sep. 1997. Simulation-Fechnology-and-Parallelism-in-Learning Environments" at http://www.to.utwente.nl/prj/min/Book/chapter1.htm

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 2023/PD NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 2023/PD PATENT OF THE PATENT OF T

TECHNOLOGY CENTER R3700



RECEIVED
JUL 1 2 2002
GROUP 3000

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation Is attached.

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ite for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Dat : 02/08/1999

First Named Inventor: Nichols Group Art Unit: m/a 7/7

Examiner Name: "T/a" Attorney Docket Number: 05222.00159

(Use as many sheets as necessary) TECHNOLOGY CENTER R3700 Sheet 12 of _

	·	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
		Engines-for-Education-URL:-http://www.ils.nwu.edu/-e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html; viewed Feb. 15, 1999.	
		*FinPlan System*at www.mlat.org:ru/FinPlan/	
		Enhancing-Simulation-Education.with.intelligent.Tutoring,Systems, Proc. Of the 1996 Winter Simulation Conf., pp. 675-80, Dec. 1996	
		Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach, Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
S .,		"Teaching with the internet 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222	100
		"Development of a Simulation-Based Intelligent-Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	ANOLOGY CENTER
		"Authoring.Intelligent.Tutoring.Systems: An Analysis of the State of the Art" at http://www.cs.umass/edu/~tmurray/papers/ATSummary/AuthTools.html	CY C
RECE	VEL	Multimedia Training "Get Lemonade, Not a Lemoni" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26	NTER
NOV 2 9			R3700
NOLOGY-C	NTER	3700 SMART-Evaluation:-Cognitive-Diagnosis, Mastery Learning & Remediation, Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
		*Decision-Pro3.0*at-www.vanguardsw.com/	
Examiner Signature		Date Considered	

and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

RECEIVED

PRINCE OF TECHNOLOGY CENTER R3700

RECEIVED

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3.000

**GROUP 3

RECEIVED

OCT 0 9 2002

TECHNOLOGY CENTER R3700

JUL 1 2 2002 GROUP GUUU

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

or form 1449 A/PTO

(Use as many sheets as necessary)

Sheet 19 of 14

FORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date: 02/08/1999

First Named Inventor: Nichols

Application Number: 09/868,682

TECHNOLOGY CENTER R3700

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of T ² Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials * No. number(s), publisher, city and/or country where published. "A-Fuzzy-Logic-Based-Intelligent-Tutoring-System," Information-Processing-92,-Vol. II, pp. 66-72, Dec. 1992. "The SimQuest-Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997 A Browser-Based System to Support & Deliver-DE, 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998 "Goal-Based-Scenarios and Business-Training:-A Conversation with Roger C. Schank," Educational Technology, Nov.-Dec. 1994 "Automate-Your-Business-Plan" at-www.business-plan.com/screen2.html APR 2 4
"Kiplinger_TaxCut Press Releases" at http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html Technology Center 210D TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html -Why-Should-the-Teens-Have-All-the-Best-Games?...Management Skill with Oil, Health, Housing Games, Computergram Intil, June 176, 1996 2002 emplate Software Business Simulator, Chapter 8, August 1997 TECHNOLOGY CENTER R3700 Template-Software-Workflow-Simulator, Chapter 8, June 1998 "Goal-Based Scenarios";-Technical-Report # 36; Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30 3700 Examiner Date Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

TECHNOLOGY CENTER RETAIN

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for RECEIVED REPRESENTATIONS OF THE PROPERTY OF TH Patents, Washington, DC 20231.

RECEIVED JUL 1 2 2002 **GROUP 3600**

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ne Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for to

RMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 09/868,682

Filing Dat: 02/08/1999 First Named Inventor: Nichols

(Use as many sheets as necessary)

Ļ		_	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
•	Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r 2
			"Eight-Goal-Based-Scenario-Tools", Technical Report # 67; Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
İ			"A Role for Al in Education: "Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelleigence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
			"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp.:1-58-	
			RECEIVED	
		- 05	APR 2 4 2002	
	R	ECt	Technology Center 210	۱ م
	١	10V 2	- 4003	
	TECH	NOFOG,	9 ZUUZ CENTER R3700	
			CEN 2	
		:	EH R: 70	
	Examiner Signature		Date Considered 8/V/V	J

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20281.

RECEIVED

JUL 1 2 2002

GROUP 3:000

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.